

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 August 2003 (28.08.2003)

PCT

(10) International Publication Number
WO 2003/070306 A3

(51) International Patent Classification⁷: **A61M 16/00**

(21) International Application Number:
PCT/GB2003/000758

(22) International Filing Date: 21 February 2003 (21.02.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0204117.6 21 February 2002 (21.02.2002) GB

(71) Applicants (for all designated States except US): **E.M.E. (ELECTRO MEDICAL EQUIPMENT) LIMITED**. [GB/GB]; 60 Gladstone Place, Brighton, East Sussex BN2 3QD (GB). **FRAZER-NASH CONSULTANCY LIMITED**. [GB/GB]; 1 Trinity Street, College Green, Bristol BS1 5TE (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FOSTER, Stephen** [GB/GB]; Shadwell Cottage, Chilies Lane, High Hurstwood, Uckfield, East Sussex TN22 4AB (GB). **CORNER, Stuart** [GB/GB]; 39 Lambourn Avenue, Stone Cross,

Pevensey, East Sussex BN24 5PQ (GB). **HARRISON, Stephen** [GB/GB]; Frazer-Nash Consultancy Ltd., 1 Trinity Street, College Green, Bristol BS1 5TE (GB).

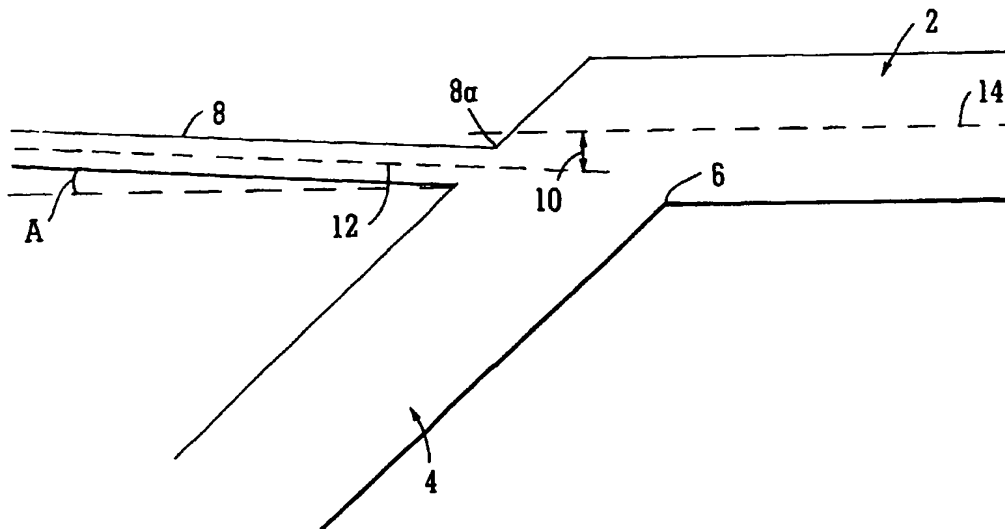
(74) Agent: **FRANK, B. DEHN & CO.**; 179 Queen Victoria Street, London EC4V 4EL (GB).

(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: BREATHING DEVICE



(57) Abstract: A breathing device for assisting patients to breathe by maintaining positive airway pressure during the breathing cycle comprises, in fluid communication, a breathing channel (2) and an exhaust channel (4) extending from a junction therebetween. A gas inlet channel (8) is arranged, so as in use, to introduce gas into said breathing channel (2). A positive pressure may be maintained in the breathing channel (2), wherein the axis of said gas inlet channel (8) is laterally offset (10) at the point at which the gas inlet channel (8) introduces the gas into the breathing channel (2) from the axis of the narrowest part of the breathing channel (2).



WO 2003/070306 A3